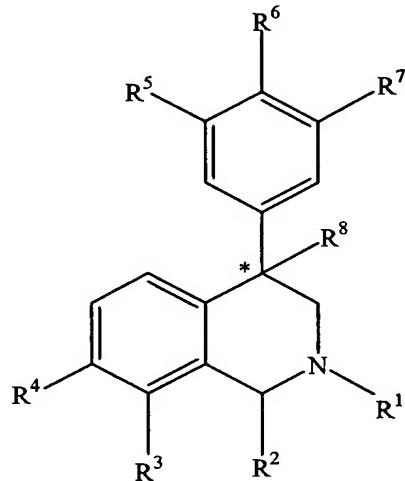


## CLAIMS:

What is claimed is:

1. A method of treating chronic or neuropathic pain, treating or preventing  
 5 migraine headache, or treating urge, stress or mixed urinary incontinence comprising  
 administration of an effective amount of a compound of formula IA-IF having the  
 following structure:



IA-IF

wherein:

10

the carbon atom designated \* is in the R or S configuration;

$R^1$  is  $C_1-C_6$  alkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  alkynyl,  $C_3-C_6$  cycloalkyl or  $C_4-C_7$  cycloalkylalkyl, each of which is optionally substituted with 1 to 3 substituents  
 15 independently selected at each occurrence thereof from  $C_1-C_3$  alkyl, halogen, aryl, -  
 $CN$ ,  $-OR^9$  and  $-NR^9R^{10}$ ;

$R^2$  is H,  $C_1-C_6$  alkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  alkynyl,  $C_3-C_6$  cycloalkyl,  $C_4-C_7$  cycloalkylalkyl or  $C_1-C_6$  haloalkyl;

20

$R^3$  is H, halogen,  $-OR^{11}$ ,  $-S(O)R^{12}$ ,  $-S(O)_n NR^{11}R^{12}$ ,  $-CN$ ,  $-C(O)R^{12}$ ,  $-C(O)NR^{11}R^{12}$ ,  $C_1-C_6$  alkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  alkynyl,  $C_3-C_6$  cycloalkyl,  $C_4-C_7$  cycloalkylalkyl, -  
 $O(phenyl)$  or  $-O(benzyl)$ , wherein each of  $-O(phenyl)$  and  $-O(benzyl)$  is optionally substituted from 1 to 3 times with a substituent selected independently at each

occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy, or wherein R<sup>3</sup> is a C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl group, then said group is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl,

5 halogen, aryl, -CN, -OR<sup>9</sup> and -NR<sup>9</sup>R<sup>10</sup>;

provided that for compounds of formula IA, R<sup>3</sup> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl, halogen, aryl, -CN, -OR<sup>9</sup> and -NR<sup>9</sup>R<sup>10</sup>;

10 provided that for compounds of formula IB, R<sup>3</sup> is -O(phenyl), -O(benzyl), -OC(O)R<sup>13</sup> or -S(O)<sub>n</sub>R<sup>12</sup>, each of -O(phenyl) and -O(benzyl) is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy;

15 R<sup>4</sup> is H, halogen, -OR<sup>11</sup>, -S(O)<sub>n</sub>R<sup>12</sup>, -S(O)NR<sup>11</sup>R<sup>12</sup>, -CN, -C(O)R<sup>12</sup>, -C(O)NR<sup>11</sup>R<sup>12</sup>, -NR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, O(phenyl) or -O(benzyl), wherein each of -O(phenyl) and -O(benzyl) is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl or C<sub>1</sub>-C<sub>4</sub> alkoxy and wherein R<sup>4</sup> is a C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl group, then said group is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl, halogen, aryl, -CN, -OR<sup>9</sup> and -NR<sup>9</sup>R<sup>10</sup>;

20 provided that for compounds of formula IC, R<sub>4</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl, halogen, aryl, -CN, -OR<sup>9</sup> and -NR<sup>9</sup>R<sup>10</sup>, or R<sup>5</sup> and R<sup>6</sup> or R<sup>6</sup> and R<sup>7</sup> may be -O-C(R<sup>12</sup>)<sub>2</sub>-O-; provided that for compounds of formula ID, R<sup>4</sup> is -O(phenyl), -O(benzyl), -OC(O)R<sup>13</sup>, -NR<sup>11</sup>R<sup>12</sup> or -S(O)<sub>n</sub>R<sup>12</sup>, each of -O(phenyl) and -O(benzyl) is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy;

- $R^5$ ,  $R^6$  and  $R^7$  in compounds of each of the formulae IA, IB, IC, ID, IE and IF are each independently H, halogen,  $-OR^{11}$ ,  $-S(O)_nR^{12}$ ,  $-CN$ ,  $-C(O)R^{12}$ ,  $-NR^{11}R^{12}$ ,  $-C(O)NR^{11}R^{12}$ ,  $-NR^{11}C(O)R^{12}$ ,  $-NR^{11}C(O)_2R^{12}$ ,  $-NR^{11}C(O)NR^{12}R^{13}$ ,  $C_1-C_6$  alkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  alkynyl,  $C_3-C_6$  cycloalkyl or  $C_4-C_7$  cycloalkylalkyl, wherein each of  $R^5$ ,
- 5      $R^6$  and  $R^7$  is a  $C_1-C_6$  alkyl,  $C_2-C_6$  alkenyl,  $C_2-C_6$  alkynyl,  $C_3-C_6$  cycloalkyl or  $C_4-C_7$  cycloalkylalkyl group, then said group is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from  $C_1-C_3$  alkyl, halogen, aryl,  $-CN$ ,  $-OR^9$  and  $-NR^9R^{10}$ , or  $R^5$  and  $R^6$  or  $R^6$  and  $R^7$  may be  $-O-C(R^{12})_2-$   $O-$ ;
- 10    provided that for compounds of formula IE at least one of  $R^5$  or  $R^7$  is fluoro, chloro, or methyl;
- or  $R^7$  and  $R^6$  are each independently  $-O-C(R^{12})_2-O-$  in compounds of the formulae IE, but only where  $R^2$  is fluoro, chloro or methyl;
- or  $R^7$  and  $R^6$  can independently also be  $-O-C(R^{12})_2-O-$  in compounds of the formulae 15 IE, but only where  $R^7$  is fluoro, chloro or methyl;
- $R^8$  is H, halogen, or  $OR^{11}$ , provided that for compounds of formula IF,  $R^8$  is halogen;  $R^9$  and  $R^{10}$  are each independently H,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl,  $C_1-C_4$  alkoxyalkyl,  $C_3-C_6$  cycloalkyl,  $C_4-C_7$  cycloalkylalkyl,  $-C(O)R^{13}$ , phenyl or benzyl, where phenyl or benzyl is optionally substituted from 1 to 3 times with a substituent selected
- 20    independently at each occurrence thereof from halogen, cyano,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl, or  $C_1-C_4$  alkoxy;
- or  $R^9$  and  $R^{10}$  are taken together with the nitrogen to which they are attached to form piperidine, pyrrolidine, piperazine, N-methylpiperazine, morpholine, or thiomorpholine;
- $R^{11}$  is H,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl,  $C_1-C_4$  alkoxyalkyl,  $C_3-C_6$  cycloalkyl,  $C_4-C_7$  cycloalkylalkyl,  $-C(O)R^{13}$ , phenyl or benzyl, where  $R^{11}$  is a  $C_1-C_4$  alkyl, phenyl or benzyl group, then said group is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl, or  $C_1-C_4$  alkoxy;
- 25     $R^{12}$  is H, amino,  $C_1-C_4$  alkyl, ( $C_1-C_4$  alkyl)amino,  $C_1-C_4$  haloalkyl,  $C_1-C_4$  alkoxyalkyl,  $C_3-C_6$  cycloalkyl,  $C_4-C_7$  cycloalkylalkyl, phenyl or benzyl, where phenyl or benzyl is optionally substituted from 1 to 3 times with a substituent selected independently from halogen, cyano,  $C_1-C_4$  alkyl,  $C_1-C_4$  haloalkyl and  $C_1-C_6$  alkoxy;
- 30

or R<sup>11</sup> and R<sup>12</sup> are taken together with the nitrogen to which they are attached to form piperidine, pyrrolidine, piperazine, N-methylpiperazine, morpholine, or thiomorpholine; provided that only one of R<sup>9</sup> and R<sup>10</sup> or R<sup>9</sup> and R<sup>10</sup> are taken together with the

- 5 nitrogen to which they are attached to form piperidine, pyrrolidine, piperazine, N-methylpiperazine, morpholine, or thiomorpholine;

R<sup>13</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl or phenyl;

n is 0, 1, or 2, and;

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aryl is phenyl which is optionally substituted 1-3 times with halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl and C<sub>1</sub>-C<sub>4</sub> alkoxy,

or an oxide thereof, a pharmaceutically acceptable salt thereof, a solvate thereof, or

- 15 prodrug thereof.

2. A method of claim 1, wherein R<sup>1</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl.

3. A method of claim 2, wherein R<sup>1</sup> is CH<sub>3</sub>.

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4. A method of claim 1, wherein R<sup>2</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>6</sub> haloalkyl.

5. A method of claim 4, wherein R<sup>2</sup> is H or CH<sub>3</sub>.

- 25 6. A method of claim 1, wherein R<sup>3</sup> is H or R<sup>3</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl, halogen, aryl, -CN, -OR<sup>9</sup> and NR<sup>9</sup>R<sup>10</sup>, or R<sup>3</sup> is -O(phenyl) or -O(benzyl) optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy.

30 7. A method of claim 6, wherein R<sup>3</sup> is methyl, ethyl, propyl, or isopropyl.

8. A method of claim 6, wherein R<sup>3</sup> is -O(phenyl) or -O-CH<sub>2</sub>-(phenyl), each of which is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy.

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9. A method of claim 6, wherein R<sup>3</sup> is H.

10. A method of claim 1, wherein R<sup>4</sup> is H, or R<sup>4</sup> is -NR<sup>11</sup>R<sup>12</sup> or R<sup>4</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted, or 10 wherein R<sup>4</sup> is -O(phenyl) or -O(benzyl), each of which is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy.

11. A method of claim 10, wherein R<sup>4</sup> is methyl, ethyl, propyl, or isopropyl.

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12. A method of claim 10, wherein R<sup>4</sup> is -O(phenyl) or -O(CH<sub>2</sub>)phenyl, each of which is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy.

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13. A method of claim 10, wherein R<sup>4</sup> is H.

14. A method of claim 1, wherein R<sup>3</sup> and R<sup>4</sup> are each H or wherein R<sup>3</sup> and R<sup>4</sup> are each halogen.

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15. A method of claim 1, wherein one of R<sup>3</sup> and R<sup>4</sup> is H and the other is CH<sub>3</sub>.

16. A method of claim 1, wherein R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are each H, halogen, -OR<sup>11</sup>, -NR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl and substituted C<sub>1</sub>-C<sub>6</sub> alkyl.

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17. A method of claim 16, wherein R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are each H.

18. A method of claim 16, wherein one of R<sup>5</sup> or R<sup>7</sup> is F, Cl or Me and the other of R<sup>5</sup> or R<sup>7</sup> and R<sup>6</sup> are H, halogen, -OR<sup>11</sup>, -NR<sup>11</sup>R<sup>12</sup>, or optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl.

19. A method of claim 18, wherein R<sup>5</sup> is F, Cl or Me; and R<sup>7</sup> is H.

5

20. The method of claim 18, wherein R<sup>5</sup> is F, Cl or Me; and R<sup>6</sup> is H.

21. A method of claim 1, wherein R<sup>8</sup> is halogen.

10 22. A method of claim 21, wherein R<sup>8</sup> is fluoro.

23. A method of claim 1, wherein:

R<sup>1</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl;

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R<sup>2</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>6</sub> haloalkyl;

20 R<sup>3</sup> is C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted, or R<sup>3</sup> is -O(phenyl) or -O(benzyl), each of which is optionally substituted, or R<sup>3</sup> is H; R<sup>4</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl or C<sub>4</sub>-C<sub>7</sub> cycloalkylalkyl, each of which is optionally substituted with from 1 to 3 substituents selected independently at each occurrence thereof from C<sub>1</sub>-C<sub>3</sub> alkyl, halogen, aryl, -CN, -OR<sup>9</sup> and -NR<sup>9</sup>R<sup>10</sup>, or R<sup>4</sup> is -NR<sup>11</sup>R<sup>12</sup>, -O(phenyl) or -O(benzyl), wherein said -O(phenyl) or -O(benzyl), is optionally substituted from 1 to 3 times with a substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy;

25 or R<sup>3</sup> and R<sup>4</sup> are each halogen;

R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are each H, halogen, -OR<sup>11</sup>, -NR<sup>11</sup>R<sup>12</sup>, optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl,

or one of R<sup>5</sup> and R<sup>7</sup> is Cl, F or Me and the other of R<sup>5</sup> and R<sup>7</sup> and R<sup>6</sup> is H, halogen, -

30 OR<sup>11</sup>, -NR<sup>11</sup>R<sup>12</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl or substituted C<sub>1</sub>-C<sub>6</sub> alkyl.

24. A method of claim 23, wherein:

R<sup>1</sup> is CH<sub>3</sub>;

R<sup>2</sup> is H or CH<sub>3</sub>;

R<sup>3</sup> is H, F, methyl, ethyl, propyl, isopropyl, -O(phenyl) or -0-CH<sub>2</sub>-(phenyl), wherein said - O(phenyl) or -0-CH<sub>2</sub>-(phenyl) is optionally substituted from 1 to 3 times with a

5 substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy;

R<sup>4</sup> is H, F methyl, ethyl, propyl, isopropyl, -O(phenyl) or -0-CH<sub>2</sub>-(phenyl), wherein said - O(phenyl) or -0-CH<sub>2</sub>-(phenyl) is optionally substituted from 1 to 3 times with a

10 substituent selected independently at each occurrence thereof from halogen, cyano, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, or C<sub>1</sub>-C<sub>4</sub> alkoxy;

R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are each H or R<sup>5</sup> is F, Cl or Me, or one of R<sup>6</sup> or R<sup>7</sup> is H and the other of R<sup>6</sup> and R<sup>7</sup> is halogen, -OR<sup>11</sup>, -NR<sup>11</sup>R<sup>12</sup>, or optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl.

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25. A method of claim 23, wherein R<sup>8</sup> is halogen.

26. A method according to claim 1, wherein the carbon atom designated \* is in the R configuration.

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27. A method according to claim 1, wherein the carbon atom designated \* is in the S configuration.

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28. A method comprising a mixture of stereoisomeric compounds of claim 1 wherein the carbon atom designated \* is in the S or R configuration.

29. A method according to claim 1, wherein the compound is selected from the group:

30 2,7-dimethyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-methoxy)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-4-(4-fluoro)phenyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-4-(3-fluoro)phenyl-1,2,3,4-tetrahydroisoquinoline;

5     4-(3,4-difluoro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-4-(4-fluoro-3-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro-4-fluoro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-chloro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-4-(4-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

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2,7-dimethyl-4-(3-fluoro-4-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro-3- fluoro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3,4-dichloro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

7-ethyl-2-methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3,4-difluoro)phenyl-7-ethyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

7-fluoro-4-(4- methoxy)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

7-fluoro-4-(3-fluoro-4-methoxy)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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7- fluoro-4-(3-fluoro-4-methyl)phenyl-2-methyl-1,2,3,4- tetrahydroisoquinoline;

7-fluoro-4-(4-chloro-3-fluoro)phenyl-2-methyl-1,2,3,4- tetrahydroisoquinoline;

4-(3,4-difluoro)phenyl-7-fluoro-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro)phenyl-7-fluoro-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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7-cyano-2-methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

2-methyl-4-phenyl-7-trifluoromethyl-1,2,3,4-tetrahydroisoquinoline;

10 4-phenyl-1,2,7-trimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro)phenyl-1,2-dimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(3,4-difluoro)phenyl-1,2-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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4-phenyl-2,7,8-trifluoromethyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-8-fluoro-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

20 2,8-dimethyl-7-fluoro-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-8-methoxy-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

2,7-dimethyl-8-hydroxy-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

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2-methyl-4-phenyl-7-trifluoromethoxy-1,2,3,4-tetrahydroisoquinoline;

4-(3,4-difluoro)phenyl-7-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

30 4-(4-fluoro-3-methyl)phenyl-7-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-fluoro-4-methyl)phenyl-7-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

7-methoxy-4-(3-methyl)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

2-methyl-7-phenoxy-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

5      7-(4-methoxy)phenoxy-2-methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

7-benzyloxy-2-methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

7-hydroxy-2-methyl-4-(3-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-fluoro-4-methyl)phenyl-7-hydroxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-fluoro-3-methyl)phenyl-7-hydroxy-2-methyl-1,2,3,4-tetrahydrolisoquinoline;

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4-(3,4-difluoro)phenyl-7-hydroxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-cyano)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

2,8-dimethyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

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2,8-dimethyl-4-(4-fluoro)phenyl-1,2,3,4-tetrahydroisoquinoline;

4-(3,4-difluoro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3,5-difluoro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,8-dimethyl-4-(3-fluoro)phenyl-1,2,3,4-tetrahydroisoquinoline;

2,8-dimethyl-4-(4-fluoro-3-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-chloro-4-fluoro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydrolisoquinoline;

4-(3,4-dichloro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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4-(4-chloro-3-fluoro)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,8- dimethyl-4-(4-methoxy)phenyl-1,2,3,4-tetrahydroisoquinoline;

10 4-(4-cyano)phenyl-2,8-dimethyl-1,2,3,4-tetrahydroisoquinoline;

2,8-dimethyl-4-(4-trifluoromethyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

2,8-dimethyl-4-(4-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

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2-methyl- 8-(N-methylamino)methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

8-(hydroxy)methyl-2-methyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

20 2-methyl-4-phenyl-8-sulfonamide-1,2,3,4-tetrahydroisoquinoline;

2-methyl-8-(N-methyl)sulfonamide-4-phenyl-1,2,3,4-tetrahydroisoquinoline;

8-methoxy-2-methyl-4-(4-methyl)phenyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3,5-difluoro)phenyl-8-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro)phenyl-8-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

30 4-(3,4-dichloro)phenyl-8-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro-3-fluoro)phenyl-8-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro-4-fluoro)phenyl-8-methoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3,5-difluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

5     4-(3-chloro-5-fluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3,5-difluoro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-chloro-5-fluoro)phenyl-2,7-dimethyl-1,2,3,4-tetrahydroisoquinoline;

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2-methyl-4-(3,4,5-trifluoro)phenyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-fluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-fluoro-4-methyl)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-fluoro-3-methyl)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3,4-difluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-chloro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-chloro-3-fluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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4-(3-chloro-4-fluoro)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(3-cyano)phenyl-2-methyl-1,2,3,4-tetrahydroisoquinoline;

4-(4-acetanilide)-2-methyl-1,2,3,4-tetrahydroisoquinoline;

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4-(4-chloro)phenyl-4-fluoro-2-methyl-1,2,3,4-tetrahydroisoquinoline;

(3,5-difluoro)-4-phenyl-1,2,7-trimethyl-1,2,3,4-tetrahydroisoquinoline;

(8-fluoro-2-methyl-4-phenyl-1,2,3,4-tetrahydro-7-isoquinolinyl)-N-methylmethanamine;

- 5 (2-methyl-4-phenyl-7-isoquinolinyl)-N-methylmethanamine;

N-methyl-(2-methyl-4-phenyl-7-isoquinolinyl)-N-methylmethanamine;

8-hydroxy-2-methyl-4-phenyl-1,2,3,4-tetrahydro-7-isoquinolinecarbonitrile;

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(2-methyl-4-phenyl-1,2,3,4-tetrahydro-7-isoquinolinyl)methanol; and

2-ethyl-4-phenyl-1,2,3,4-tetrahydroisoquinoline; and

- 15 an oxide thereof, a pharmaceutically acceptable salt thereof, a solvate thereof, or prodrug thereof.